

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for increasing sexual arousal ~~treating a mental disorder~~ comprising:

parenterally administering to a male mammal in need thereof an effective amount of ~~an SMR1 peptide~~ a composition containing an SMR1 peptide comprising SEQ ID NO: 2 that is sufficient to increase sexual arousal in said male mammal ~~reduce or eliminate symptoms of the mental disorder, wherein said SMR1 peptide comprises SEQ ID NO: 2.~~

Claims 2-14 (Cancelled)

Claim 15 (Currently Amended): The method of claim 1, wherein said male mammal exhibits a sexual arousal disorder

~~the mental disorder is impaired social activity linked to sexuality.~~

Claim 16 (Currently Amended): The method of claim 1, wherein said male mammal exhibits

~~the mental disorder is impaired sexual behavior.~~

Claim 17 (Currently Amended): The method of claim 1, wherein the ~~mental disorder is~~

male mammal exhibits hypoactive sexual desire disorder.

Claims 18-21 (Cancelled)

Claim 22 (Currently Amended): The method of claim 1, wherein the route of administration is intravenous

~~at least one selected from the group consisting of parenteral, intranasal, oral, sublingual, transmucosal, intrarespiratory, and through an inert or iontophoretic patch.~~

Claim 23-50 (Cancelled)

Claim 51 (Currently Amended): A method for increasing sexual arousal

~~treating a mental disorder characterized by impaired social activity linked to sexuality~~
comprising:

parenterally administering an effective amount of a peptide comprising SEQ ID NO: 2
to a male mammal in need thereof.

Claim 52 (Previously Presented): The method of Claim 51, wherein said mammal has impaired sexual behavior.

Claim 53 (Previously Presented): The method of Claim 51, wherein said mammal has hypoactive sexual desire.

Claim 54 (Previously Presented): The method of Claim 51, wherein said mammal has untimely ejaculation.

Claim 55 (Previously Presented): The method of Claim 51, wherein said peptide consists of SEQ ID NO: 2.

Claim 56 (Previously Presented): The method of Claim 51, wherein said peptide is administered parenterally.

Claim 57 (Currently Amended): The method of Claim 51, wherein said peptide is administered intravenously ~~orally~~.

Claim 58 (Previously Presented): The method of Claim 51, wherein said mammal is human.

Claim 59 (Currently Amended): A method for inducing or increasing sexual arousal in a male mammal ~~treating a mammal having impaired social activity linked with sexuality~~ comprising:

parenterally administering to said male mammal an amount of an SMR 1 peptide that comprises SEQ ID NO: 2 effective to increase ~~social behavior linked to sexuality~~ sexual arousal in said mammal compared to a similar male mammal to which said SMR1 peptide has not been administered.